

MATERIAL SAFETY DATA SHEET

ALCO CHEMICAL * P.O. BOX 5401 * 909 MUELLER DRIVE * CHATTANOOGA, TN. 37406
 A DIVISION OF NATIONAL STARCH & CHEMICAL CO. PHONE: 615-629-1405
 LAST REVISION DATE: 6-11-92 CURRENT REVISION DATE: 1-20-94
 CHEMTREC EMERGENCY PHONE: 1-800-424-9300 APPROVAL: JMW

IDENTIFICATION

PRODUCT NAME : AQUAMET M

EPA PRODUCT REGISTRAT. NO.: NA
 EPA ESTABLISHMENT NO.: NA

TSCA INVENTORY/CAS. NO.: 128-04-1

CHEMICAL NAME : SODIUM DIMETHYLDITHIOCARBAMATE

HAZARDOUS INGREDIENTS - % COMPOSITION	OSHA-TWA, ppm	ACGIH-TWA, ppm	OTHER
DIMETHYLAMINE	<0.75	10	10 NA

PHYSICAL DATA

BOILING POINT (F/C): >212/100

SPECIFIC GRAVITY (Water = 1): 1.18

VAPOR PRESSURE (mm Hg): NA

MELTING POINT: NA

VAPOR DENSITY (Air - 1): NA

EVAPORATION RATE: 1
 (Water = 1)

SOLUBILITY IN WATER: COMPLETE

FREEZING POINT (F/C): 32/0

% VOLATILE: 60, WATER

APPEARANCE AND ODOR: Yellow-green solution with characteristic amine odor.

FIRE AND EXPLOSION DATA

SPECIAL HAZARD DESIGNATIONS

FLAMMABLE LIMITS IN
 AIR, % BY VOLUME

UPPER: NA LOWER: NA

FLASH POINT (TEST METHOD)

TAG CLOSED CUP (ASTM D56): NA

TAG OPEN CUP (ASTM D1310): NA

	NFPA	KEY
HEALTH:	2	0 - MINIMAL
FLAMMABILITY:	0	1 - SLIGHT
REACTIVITY:	0	2 - MODERATE
PROTECTIVE		3 - SERIOUS
EQUIPMENT:	2	4 - SEVERE

TYPICAL pH: 11.0 TO 13.2

CORROSIVE LIQUID, N.O.S. UN1760 CLASS 8
 (SODIUM DIMETHYLDITHIOCARBAMATE) IF pH >12.8

NR: NOT REQUIRED, NE: NOT ESTABLISHED, NA: NOT APPLICABLE

449153



EXTINGUISHING MEDIA: Product is non-flammable as supplied. Use water, foam,
----- carbon dioxide or dry chemical to extinguish fire.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus
----- while extinguishing fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Product is non-flammable as supplied. Do
----- not depend on ambient air for breathing
air supply during fires. Fire may result
into release of toxic gases such as
oxides of carbon, nitrogen, and sulfur.

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REACTIVITY DATA

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STABILITY: Stable.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Acidification releases flammable gases.

MATERIALS TO AVOID: Mineral acids such as sulfuric, nitric, hydrochloric, and
----- nitrosating agents.

HAZARDOUS DECOMPOSITIONS OR BY-PRODUCTS:

A-Thermal decomposition may release gases such as amines and carbon disul-
fide. B-Combustion of dry film may release oxides of carbon, nitrogen,
and sulfur.

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HEALTH HAZARD DATA

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EFFECTS OF EXPOSURE ROUTES OF ENTRY: Inhalation, Ingestion, and Skin

Ingestion (swallowing): May cause nausea and vomiting.

Skin contact: Slightly irritating to skin.

Eye contact: Possibly irritating to eyes.

Inhalation: Vapors may be irritating to nose, throat, and respiratory tract
symptoms of nausea in poorly ventilated areas.

TARGET ORGAN EFFECT: NE

TOXICITY: Dermal LD 50 - Albino rabbit >1.15 gm/Kg
----- Inhalation LC 50 - Rat >3.93 mg/liter
Oral LD 50 - Female Rats 2.5 gm/Kg
Male Rats 2.1 gm/Kg

DELAYED EFFECTS: NE

CARCINOGENICITY: NE

EMERGENCY AND FIRST AID DATA

Ingestion: If swallowed, dilute by drinking copious amounts of water and obtain medical attention.

Skin contact: Wash affected skin with soap and water and obtain medical attention.

Eye contact: Wash eyes with large amounts of water for at least 15 minutes and obtain medical attention.

Inhalation: Remove subject to fresh air. Obtain medical attention.

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SPILL OR LEAK PROCEDURES

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STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Soak up spills with absorbent material and scoop into drums. Follow all local, state, and federal regulation for disposal. Do not discharge into lakes and streams. The floor may be slippery. Use caution to avoid falls.

WASTE DISPOSAL METHOD:

Hazardous waste. Follow all local, state, and federal regulations for waste disposal.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Wear rubber gloves and safety goggles. Avoid breathing vapors and avoid skin contact.

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SPECIAL PROTECTION INFORMATION

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RESPIRATORY PROTECTION: None required if good ventilation is maintained.
----- Otherwise, wear self-contained breathing apparatus.
(Pressure Demand, MSHA/NIOSH approved or equivalent).

VENTILATION PROTECTION:

Local exhaust: Yes.
Mechanical (general): Yes.

PROTECTIVE GLOVES: Yes.

EYE PROTECTION: Safety goggles.

OTHER PROTECTION: Long sleeve shirt, long pants, boots, and hat.

WORK/HYGIENIC PRACTICES: Follow normal hygienic practices for handling
----- chemicals.

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SARA-TITLE III INGREDIENT INFORMATION

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INGREDIENTS

NAME: DIMETHYLAMINE

CAS NO.: 124-40-3

APPLICABLE SARA SUBSECTIONS: 304

THRESHOLD PLANNING QUANTITY: NONE

THRESHOLD REPORTING QUANTITY: 1000 LBS.

PRODUCT NAME: AQUAMET M

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NEW JERSEY/PENNSYLVANIA RTK TOTAL INGREDIENTS LABEL

TITLE 8

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CAS NO.\NJEIN TRADE SECRET

COMMON NAME\COMMENTS

128-04-1

7732-18-5

SODIUM DIMETHYLDITHIOCARBAMATE

WATER